Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/16/2019 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125246	0	2.33	125297	2.32
Blue	F	SSC	125000	125781	0	1.78	126552	1.76
Blue	E	FITC	16433	16062	-3	3.26	349	19.25
Blue	D	PE	27595	27292	-2	2.67	593	14.34
Blue	B	PerCP-Cy5-5	43183	43011	-1	4.03	1157	20.32
Blue	A	PE-Cy7	31943	32487	1	6.59	621	40.76
Red	C	APC	42819	42317	-2	2.43	1495	12.15
Red	A	APC-Cy7	31261	30145	-4	2.40	797	11.83
Violet	B	V450	6527	6305	-4	5.29	352	13.82
Violet	A	V500	24533	23542	-5	5.17	548	11.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17958	10.70	614	14	N/A	N/A	Pass
Blue	F	SSC	57074	1.63	555	7	N/A	N/A	Pass
Blue	E	FITC	64	62.06	541	2	0.0228	160	Pass
Blue	D	PE	123	48.82	538	4	0.1831	295	Pass
Blue	B	PerCP-Cy5-5	213	49.42	652	10	0.0091	49	Pass
Blue	A	PE-Cy7	114	101.44	701	12	0.0110	17	Pass
Red	C	APC	356	25.46	581	-2	0.0244	163	Pass
Red	A	APC-Cy7	176	28.24	560	-3	0.0057	864	Pass
Violet	B	V450	54	62.00	453	-2	0.0520	2386	Pass
Violet	A	V500	82	33.94	464	-3	0.0226	765	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.99	-31.63	1.00
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.51
Red	15.53	13.60 - 20.40	N/A	N/A	29.43	29.73	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11310

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments